

THE FARMERS'



ALMANAC, FOR THE YEAR

1829,

Being the First after Bissextile, or Leap Year.

CONTAINING :

The rising, setting, places, and Eclipses of the Sun and Moon, the phases, node, age, latitude and southing of the moon, the geocentric places and aspects of the planets, with the rising, setting, and southing of the most conspicuous planets and fixed stars, the time of high water at Philadelphia, and the sun's declination for every day of the year, the culmination of Alioth, and a Table of the Equation of Time, &c. &c.

Carefully calculated for the Latitude and Meridian of Philadelphia.

BY JOHN WARD.

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NOTES TO THE READER.

First. The calculations of this Almanac are made to solar apparent time, to which add the equation in the Table on page 33, when the clock is fast, and subtract when slow, for the mean or clock time.

Second. The time of high water at Philadelphia, is so computed as to serve either for morning or evening: exact enough for common use: The morning flood being about 12 minutes earlier than the time in the tide column, and that of the evening as much later.

Third. The sun's declination is fitted to the meridian of Philadelphia, for the noon of each day in the year.

Fourth. As the days end at midnight, the rising, setting, and southing of the moon, when after that time, is found against the succeeding day; so on the night of (or following) the 13th of the First month, (January,) the moon sets at 2 h. 14 m. at midnight; viz. in the morning of the 14th, not at 1 h. 12 m. the time opposite the 13th, which is the time of her rising the preceding morning.

Fifth. The rising, setting, or southing of a star, may be carried several days backwards, by adding, or forwards, by subtracting, four minutes per day. For instance, on the 10th day of the First month, (January,) Sirius is south at 11 hours, 8 m. adding 12 minutes for 3 days sooner, we have 11 h. 20 m. for the southing on the 7th, and deducting 8 m. for two days later, leave 11 h. for that on the 12th of the same month, &c.

Sixth. The time of Alioth's passing over the meridian, when a plumb line apparently cuts both the pole star and Alioth, is given for the first six months above the pole, and for the last six months below it, to five days in every month, and may be readily known for any day by the preceding note;—These two stars will be visibly coincident with a level East and West line, at 5 h. 59 m. before and after Alioth passes the meridian; but for common use say six hours; Thus we may regulate time pieces to a minute, or tell the time without them. The pole star is on the meridian 7 minutes later than Alioth; when the true meridian line may be drawn by it, and the magnetic variation thereby determined, &c.

Alioth is the first star in the tail of the great Bear; viz. the next to the square, or it is the third star of the seven, commonly called the waggon or plough, counting towards those two of them which are denominated the pointers.

MOVEABLE FEASTS.

Septuagesima Sunday, Feb. 15	Low Sunday,	April 26
Quing. or Shrove Sun. March 1	Rogation Sunday,	May 24
Ash Wed. or 1st day of lent 4	Asc. Day, or Holy Thur.	28
Mid. Lent Sunday, March 29	Whit Sunday,	June 7
Palm Sunday, April 12	Trinity Sunday,	June 14
Easter Sunday, April 19	Advent Sunday.	Nov. 29

The Head and Face, ♈ Aries.

Neck,
♉ Taurus

Breast,
♋ Cancer

Bowels,
♍ Virgo.

Secrets,
♏ Scorpio.

Knees, ♐
Capricorn.



Arms,
♊ Gemini.

Heart
♌ Leo.

Reins,
♎ Libra.

Thighs,
♐ Sagitari.

Legs,
♒ Aquar

The Feet, ♓ Pisces.

To know where the sign is. First, find the day of the month, and against it the sign or place of the moon, in the seventh column. Then finding the sign here, it shows the part of the body it is said to govern.

We have inserted the above, and the prognostics of the weather, according to the most approved methods: but we think it proper to inform our readers, that, in this enlightened age, the learned put no confidence in them.

ASTRONOMICAL CHARACTERS EXPLAINED

☾ New Moon	♈ Georgian, or Herschel
☉ Full Moon	♈ Aries
☾ First } Quarters or moon in	♊ Gemini
☾ Last } general	♌ Leo
♋ Moon's Ascending Node	♎ Libra
☉ Sol or Sun, ♄ Saturn	♐ Sagittarius
♃ Jupiter	♒ Aquaries
♀ Venus	♓ Conjunction
	♓ Opposition
	☐ Quartile
	* Sextile

CHRONOLOGICAL CYCLES.

Dominical Letter,	D	Solar Cyle,	18
Lunar Cyle, or Golden		Roman Indiction,	2
Number,	6	Julian Period,	6542
Epact,	25		

SOLAR and LUNAR ECLIPSES in the Year 1829

1. Of the Moon on the 20th day of the 3d month, (March) at 8 h. 50 m. in the morning, invisible at Philadelphia.
2. Of the Sun on the 3d day of the fourth month, (April) at 5 h. 20 m. in the afternoon, invisible at Philadelphia, on account of the Moon's great south latitude. The sun will be centrally eclipsed on the Meridian at 9 h. 56½ m. in long. 73° 48½' west from Philadelphia, and lat. 32° 15' south.
- 3d. Of the Moon on the 13th day of the ninth month (September) at 1 h. 28 m. in the morning, visible at Philadelphia as follows:

		H.	M.	
Beginning of the Eclipse	at	12	24	} morning
Ecliptic ☿	at	1	28½	
Middle	at	1	36	
End of the Eclipse	at	2	48	
Duration		2	24	

Digits eclipsed 6° 5' on the ☾'s southern limb, or from the northern side of the ☼'s shadow.

- 4th. Of the Sun on the 27th of the ninth month (September) at 9 h. 2 m. in the evening, of course invisible at Philadelphia. — The Sun will be centrally eclipsed on the Meridian at 13 h. 31½' in long. 127° 36½' west from Philadelphia, and lat. 39° 22½' north.

Venus (♀) will be the morning star until the 20th day of the fifth month (May) Then the evening star, the remainder of the year.

NAMES AND CHARACTERS OF THE ASPECTS.

- ♌ Conjunction, or planets in the same longitude.
- * Sextile, when they are 60 degrees apart.
- Quartile, when they are 90 degrees distant.
- △ Trine, when they are 120 degrees distant.
- ♌ Opposition, when they are 180 degrees distant.
- ♌ Dragon's Head, or Ascending Node.
- ♍ Dragon's Tail, or Descending Node.

- The year 1829, after the birth of Christ is
- The 6542d year of the Julian period,
- The 2605th year of the Olympiads, or
- The 1st year of the 655th Olympiad, beginning in July.
- The 2577th Nabonassarian year,
- The 5589th year of the Jews,
- The 5833d year of the world, or Anna Mundi.

Moon's Phases.

		D.	H.	M.		Days.	Planets' Places, &c.								D's age.	D's Lat.	Alioth. on mer.	
							☉	☿	♈	♉	♊	♋	♌	♍			H.	M.
New	☾	5	10	51	Morn.	1	11	1	2	5	23	7	3	12	27	3 N	5	59
First	☾	12	2	17	Morn.	7	17	1	2	6	27	14	13	12	34	N	5	33
Full	☾	19	7	16	Aft.	13	23	2	2	7	☿	22	23	12	9	S	5	7
Last	☾	28	0	20	Morn.	19	29	2	1	8	5	29	☿	11	15	S	4	41
						25	☿	2	1	9	10	☿	13	11	21	S	4	16

M	W	Remarks.	Sun	Sun	☉'s	D's	Moon	Moon	H.W.
D	D		rises	sets	de. S	place	rises.	south.	Phila.
1	5	Circumcision	7 23	4 37	23 0	♊ 19	2 49	8 14	10 26
2	6	♀ rises 4 46	7 25	4 37	22 54	♂ 3	3 51	9 7	11 19
3	7	B's eye so. 9 27	7 23	4 37	22 49	17	4 53	10 2	12 14
4	D	2d Sun. af. ☾	7 22	4 38	22 42	♊ 1	5 53	11 0	12 48
5	2	cold high wind	7 22	4 38	22 36	16	sets	Aft. 0	1 48
6	3	Epiphany	7 21	4 39	22 28	♊ 1	6 22	1 0	2 48
7	4	☿ in perigee	7 21	4 39	22 21	16	7 32	1 58	3 46
8	5	♂ so. 1,00 Lucian	7 20	4 40	22 13	♊ 1	8 44	2 53	4 41
9	6	♀ rises 4 55	7 20	4 40	22 4	15	9 54	3 47	5 35
10	7	Sirius so. 11 8	7 19	4 41	21 55	30	11 2	4 39	6 27
11	D	1st S. aft. Ep.	7 18	4 42	21 46	♊ 14	morn.	5 30	7 18
12	2	snow & stormy	7 18	4 42	21 36	27	12 8	6 20	8 8
13	3	♂ sets 10 24	7 17	4 43	21 26	♊ 11	1 12	7 10	8 58
14	4	☿ r. 3 52 ☉ ☿ s.	7 16	4 44	21 16	24	2 14	8 0	9 48
15	5	Day 9h. 36m. 1.	7 15	4 45	21 5	♊ 7	3 13	8 50	10 38
16	6	7*'s so. 7 42	7 15	4 45	20 53	19	4 9	9 40	11 28
17	7	Spi. ♊ ri. 11 50 ☾	7 14	4 46	20 42	♊ 2	5 0	10 29	12 17
18	D	2d S. af. Ep. Pr.	7 13	4 47	20 29	14	5 48	11 18	12 41
19	2	perhaps rain	7 12	4 48	20 17	26	rises	morn.	1 30
20	3	☉ en ♊ ☉ ♀	7 11	4 49	20 4	♊ 8	5 51	12 5	2 17
21	4	☿ so. 12 4 Agnes	7 11	4 49	19 51	20	6 47	12 50	3 2
22	5	☿ in ap. Vincent	7 10	4 50	19 37	♊ 2	7 42	1 34	3 46
23	6	Hilary ☿ ☉ ☿	7 9	4 51	19 25	14	8 38	2 17	4 29
24	7	♂ so. 11 34	7 8	4 52	19 8	26	9 31	2 59	5 11
25	D	3d S. af. Ep. con.	7 7	4 53	18 54	♊ 7	10 30	3 41	5 53
26	2	♀ ri. 5 21 [St. P.	7 6	4 54	18 39	19	11 28	4 24	6 36
27	3	Days incr. 40 m	7 5	4 55	18 23	♊ 2	morn.	5 9	7 21
28	4	fair and frosty	7 4	4 56	18 7	14	12 26	5 55	8 7
29	5	Day 9 h. 54 m. 1.	7 3	4 57	17 51	27	1 25	6 45	8 57
30	6	Arcturus ri. 11 3	7 2	4 58	17 35	♂ 10	2 26	7 38	9 50
31	7	☿ runs high	7 1	4 59	17 18	25	3 25	8 33	10 45

REMARKABLE EVENTS.

1 Montgomery fell 1776	6 Doct. Benjamin Franklin born 1706
2 Cannonade of 'Trenton '77	
3 Battle of Princeton '77	17 Tarlton defeated at the Cow-Pens '81
5 Richmond destroyed by the British '81	20 Preliminary articles 1783.

Moons' Phases.

	D.	H.	M.	
New	3	9	30	Aft.
First	10	2	22	Aft.
Full	18	2	14	Aft.
Last	26	3	19	Aft.

Days.	Planets' Places, &c.								D's Lat.	Alioth. on mer.
	☉	☿	♈	♉	♊	♋	♌	♍		
1	13	3 30	10 15	15	25	11 28	5 N	3 47		
7	19	3 29	11 19	23	10 5	0 N	3 23			
13	25	4 29	12 23	33	10 11	5 S	3 0			
19	31	4 29	13 27	8	16	10 17	2 S	2 36		
25	7	4 28	13 8	15	13	9 23	4 N	2 4		

M. D.	W. D.	Remarks.	Sun rises	Sun sets	☉'s de S.	D's place	Moon rises.	Moon south	H. W. Phil.
1	D	4th S. aft. Ep. ☾	7 05	5 0	17 1	♊ 9	4 24	9 31	11 43
2	2	P. of b. V. M.	6 58	5 2	16 44	24	5 18	10 31	12 19
3	3	snow or rain	6 57	5 3	16 26	☿ 9	6 9	11 31	1 19
4	4	☾ in perigee	6 56	5 4	16 8	24	sets	Aft. 30	2 18
5	5	Agatha	6 55	5 5	15 50	♋ 10	7 25	1 27	3 15
6	6	Sirius south 9 15	6 54	5 6	15 32	25	8 37	2 22	4 10
7	7	♈ south 10 40	6 53	5 7	15 13	♊ 9	9 48	3 16	5 4
8	D	5th Sun. aft. Ep.	6 52	5 8	14 54	23	10 56	4 9	5 57
9	2	♀ rises 5 32	6 50	5 10	14 35	♈ 7	morn.	5 1	6 49
10	3	fair and mild	6 49	5 11	14 15	21	12 00	5 52	7 40
11	4	Day 10h. 24m. d.	6 48	5 12	13 56	♈ 4	1 2	6 43	8 31
12	5	B's e. s. 6 42 ♀'s	6 47	5 13	13 36	16	1 59	7 33	9 21
13	6	♈ ri. 107 [g. el.	6 46	5 14	13 16	29	2 52	8 23	10 11
14	7	Valentine ☾	6 44	5 16	12 55	♈ 11	3 41	9 13	11 0
15	D	Sep. Sunday	6 43	5 17	12 35	23	4 26	9 59	11 47
16	2	Spica ☿ ris. 9 49	6 42	5 18	12 14	♈ 5	5 5	10 45	12 12
17	3	7's s. 1 2 [♈ ☉ ☿	6 41	5 19	11 53	17	5 41	11 29	12 57
18	4	☉ ent. ☿ fair	6 39	5 21	11 32	29	rises.	morn.	1 41
19	5	♈ so. 9 50 ☾ in a.	6 38	5 22	11 11	☿ 11	6 31	12 13	2 25
20	6	♈ ri. 1 49 [♈ st.	6 37	5 23	10 49	22	7 26	12 57	3 9
21	7	☿ rises 5 17	6 36	5 24	10 27	♈ 4	8 22	1 38	3 50
22	D	Sexagesima Su.	6 34	5 26	10 6	16	9 20	2 21	4 33
23	2	Day 10h. 54m. l.	6 33	5 27	9 44	28	10 17	3 6	5 18
24	3	St. Matthias	6 32	5 28	9 21	♈ 11	11 15	3 51	6 3
25	4	♈ sets 10 3	6 31	5 29	8 59	23	morn.	4 38	6 50
26	5	fair and mild	6 29	5 31	8 37	♈ 6	12 15	5 29	7 41
27	6	♀ rises 5 37	6 28	5 32	8 14	20	1 14	6 23	8 35
28	7	♈ ☉ ♀ Inf. ☾	6 27	5 33	7 52	♈ 3	2 11	7 18	9 30

Latitude of (♈) Georgian about 38 m. S. this year.

REMARKABLE EVENTS.

6 French alliance 1778
 22 George Washington born '32
 27 Tories defeated in North Carolina '76

Raleigh discovered Virginia, 1584
 —Hudson's bay, or river discovered, 1607—Colonies sent to Virginia from England, 1608
 —A British colony established in Virginia, 1614;

Moon's Phases.				Planets' Places, &c.										D's.		Alioth	
				Days.	☉	☿	♈	♊	♈	♊	♈	♊	♈	deg.		H.	M.
D. H. M.					☉	☿	♈	♊	♈	♊	♈	♊	♈				
new ☉	5	7	35	Morn.	1	11	4	28	14	4	20	9	9	27	5	N	1 59
1st ☾	12	4	48	Morn.	7	17	5	28	14	8	28	3	9	3	1	S	1 36
full ☉	20	8	50	Morn.	13	23	5	28	15	12	☿	1	9	9	5	S	1 14
1st ☾	28	2	18	Morn.	19	29	5	28	15	16	13	3	8	15	1	S	12 52
					25	☿	5	27	15	20	20	7	8	21	4	N	12 31

W D	Remarks.	Sun rises	Sun sets.	☉'s de. S.	D's place	Moon rises.	Moon south.	H.W. Phil.
D	Q. Sun. David ☾	6 25	5 35	7 29	♊ 17	3 5	8 15	10 27
2	☿ rises 5 38	6 24	5 36	7 6	☿ 2	3 56	9 13	11 25
3	Sirius so. 7 39	6 25	5 37	6 43		4 43	10 12	12 0
4	☾ in pe. ☉ ☾ ♊	6 21	5 39	6 20	☿ 2	5 28	11 10	12 58
5	stormy [☉ ☾ ☿	6 20	5 40	5 57		sets	Ait. 7	1 55
6	weather	6 19	5 41	5 34	☿ 3	7 28	1 3	2 51
7	☿ sets 10 2 Per.	6 17	5 43	5 10		8 37	1 58	3 46
D	1st Sun. in Lent.	6 16	5 44	4 47	♊ 2	9 46	2 52	4 40
2	Day 11h. 30m. l.	6 15	5 45	4 23		10 53	3 46	5 34
3	7*'s set 11 40	6 13	5 47	4 0		11 54	4 40	6 28
4	Emberday	6 12	5 48	3 36	♊ 13	morn.	5 32	7 20
5	Gre. Mar. snow	6 11	5 49	3 13		12 50	6 23	8 11
6	♊ s. 8 24 ☿ st. ☉	6 10	5 50	2 49	☿ 8	1 42	7 13	9 1
7	☿ ri. 4 6, ☾ r. l.	6 8	5 52	2 26		2 28	8 1	9 49
D	2d Sun. in Lent	6 6	5 53	2 2	♊ 2	3 9	8 45	10 36
2		6 5	5 55	1 38		3 48	9 33	11 21
3	Reg. so. 10 9	6 4	5 56	1 15		4 21	10 17	12 5
4	☾ in apogee	6 3	5 57	0 51	☿ 8	4 54	11 0	12 29
5	☾ rises 12 16	6 2	5 58	0 27		5 23	11 43	1 12
6	☉ en. ☿, ☾ e. inv.	6 0	6 0	S. 4	☿ 1	rises	morn.	1 55
7	Benedict [sp. c.	5 59	6 1	N 20		7 21	12 26	2 38
D	3d Sun. in Lent	5 58	6 2	0 44		8 18	1 11	3 23
2	7*'s set 10 52	5 56	6 4	1 7	☿ 8	9 16	1 56	4 8
3	Day 12h. 10m. l.	5 55	6 5	1 31		10 16	2 43	4 55
4	Ann. B. V. M.	5 54	6 6	1 55	♊ 3	11 13	3 33	5 45
5	☿ ri. 4 54 ☾ r. h.	5 52	6 8	2 18		morn.	4 24	6 36
6	☿'s gr. elon. ☉	5 51	6 9	2 42		12 11	5 18	7 30
7	♊ sta. snow ☿ st.	5 50	6 10	3 5	☿ 13	1 6	6 13	8 25
D	4th S. in L. Mid.	5 48	6 12	3 28		1 55	7 9	9 21
2	[L. Sun.	5 47	6 13	3 52	☿ 11	2 42	8 5	10 17
3	☾ sta.	5 46	6 14	4 15		3 27	9 2	11 14

REMARKABLE EVENTS.

Confederation ratified 1781	4 John Adams el. pres't 1797
Battle of Briars Creek '79	4 Thomas Jefferson do. 1801
First Federal congress met '89	4 James Madison do. 1809
Boston evacuated '76	4 James Monroe do. 1817
George Washington elected president, 1789.	4 John Quincy Adams 1825

Moon's Phases.

	D.	H.	M.	—	☿	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	Deg.	H.
New ☉	3	5	20 Aft.	1	12	6	27	15	25	29	14	8	28	2	N	12	
First ☾	10	9	6 Aft.	7	18	6	27	15	29	☿	22	7	5	5	S	11	4
Full ☉	19	1	21 Morn.	13	23	6	28	15	☿	13	☿	7	11	4	S	11	1
Last ☾	26	9	54 Morn.	19	29	6	28	15	7	21	11	7	17	2	N	10	5
				25	8	6	28	14	11	28	21	6	23	5	N	10	2

M D	W D	Remarks.	Sun rises	Sun sets	☉'s de. N	☾'s place	Moon rises	Moon south	H W Phil.
1	4	h south 7 14	5 44	6 16	4 38	☾ 11	4 8	9 58	12 10
2	5	☿ ri. 4 51 Din p.	5 43	6 17	5 1	☾ 26	4 48	10 54	12 49
3	6	☉ ecl. invis.	5 42	6 18	5 24	☿ 11	5 26	11 49	1 37
4	7	St. Ambrose	5 41	6 19	5 47	☾ 25	sets.	Aft. 44	2 32
5	D	5th Sun. in Lent	5 39	6 21	6 10	☿ 10	8 42	1 40	3 28
6	2	Day 12 44 m. l	5 38	6 22	6 32	☾ 24	9 47	2 35	4 23
7	3	☿ rises 11 7	5 37	6 23	6 55	☿ 8	10 47	3 29	5 17
8	4	☾ runs low	5 35	6 25	7 17	☿ 21	11 41	4 22	6 10
9	5	7*'s set 9 50 ☾	5 34	6 26	7 40	☿ 4	morn.	5 14	7 2
10	6	rain or snow	5 33	6 27	8 2	☾ 16	12 31	6 4	7 53
11	7	☿ rises 2 25	5 32	6 28	8 24	☾ 28	1 15	6 54	8 42
12	D	6th Sun. in Lent	5 30	6 30	8 46	☿ 10	1 55	7 38	9 26
13	2	☿ sets 9 56 [P.S	5 29	6 31	9 8	☾ 22	2 31	8 22	10 10
14	3	☿ south 3 26	5 28	6 32	9 29	☿ 4	3 3	9 5	10 53
15	4	☾ in apogee	5 26	6 34	9 51	☾ 16	3 33	9 48	11 36
16	5	Spi. ☿ so. 11 36	5 25	6 35	10 12	☾ 28	4 3	10 31	12 0
17	6	Good Fri. ☐☉ h	5 24	6 36	10 33	☿ 10	4 33	11 16	12 43
18	7	fair	5 23	6 37	10 54	☾ 22	rises	morn.	1 28
19	D	East Sun. Alph.	5 22	6 38	11 15	☿ 4	7 17	12 1	2 13
20	2	☉ enters ☿	5 20	6 40	11 36	☾ 17	8 18	12 47	2 59
21	3	Easter Tuesday	5 19	6 41	11 56	☾ 30	9 16	1 37	3 49
22	4	☿ rises 1 43	5 18	6 42	12 16	☿ 13	10 13	2 28	4 40
23	5	St. George ☾	5 17	6 43	12 36	☾ 26	11 9	3 21	5 33
24	6	☾ runs high	5 16	6 44	12 56	☿ 10	11 59	4 16	6 28
25	7	St. M. ☿ r. 9 56	5 14	6 46	13 16	☾ 23	morn.	5 11	7 23
26	D	1st S. aft. Eas.	5 13	6 47	13 35	☿ 7	12 47	6 6	8 18
27	2	[L. Sun. ☐☉ ☿	5 12	6 48	13 54	☾ 21	1 30	7 0	9 12
28	3	B's eye sets 8 59	5 11	6 49	14 13	☿ 6	2 10	7 54	10 6
29	4	day 13 h. 40m. l.	5 10	6 50	14 32	☾ 20	2 49	8 48	11 0
30	5	D in perigee	5 9	6 51	14 50	☿ 5	3 27	9 41	11 53

REMARKABLE EVENTS.

15 Fort Watson taken 1781	25 Second battle of Camden '81
17 Doctor Franklin died '90	26 Petersburg destroyed '81
19 Battle of Lexington '75	27 Stores burnt at Danbury '77

Moon's Phases.			Days.	Planets' Places, &c.								D's age.	D's Lat. deg.	Alioth on mer.	
				☉	☿	♈	♉	♊	♋	♌	♍			H.	M.
D. H. M.															
New ●	3	2 56 Morn.	1	11	6	28	14	15	6	3	6	29	1 S	10	11
First ☾	10	2 35 Aft.	7	17	6	29	13	19	13	16	6	5	5 S	9	48
Full ☉	18	2 47 Aft.	13	23	6	29	13	23	20	29	5	11	1 S	9	24
Last ☾	25	3 18 Aft.	19	28	6	30	12	27	28	☿	5	17	4 N	9	1
			25	☿	6	☿	11	☿	☿	23	5	23	3 N	8	36

M	W	Remarks.	Sun	Sun	☉'s	D's	Moon	Moon	H W
D	D		rises	sets.	de. N	place	rises	south.	Phil.
1	6	St. Phi. & St. J.	5 7	6 53	15 9	☿ 19	4 4	10 35	12 23
2	7	☿ south 2 14	5 6	6 54	15 27	☿ 4	4 43	11 30	1 18
3	D	2d Sun. aft. Eas.	5 5	6 55	15 44	18	sets	Aft. 25	2 13
4	2	☿ ☿ ☿ showers	5 4	6 56	16 2	☿ 2	8 36	1 20	3 8
5	3		5 3	6 57	16 19	16	9 34	2 14	4 2
6	4	Libra so. 11 46	5 2	6 58	16 36	29	10 27	3 8	4 56
7	5	☿ ☉ ☿ su. Dr. l. ☿	5 1	6 59	16 52	☿ 12	11 14	3 59	5 47
8	6	☿ south 1 48	5 0	7 0	17 8	24	11 56	4 49	6 37
9	7	Day 14h. 2m. lg	4 59	7 1	17 25	☿ 6	morn.	5 36	7 24
0	D	3d Sun. aft Eas.	4 58	7 2	17 41	19	12 34	6 21	8 9
1	2	☿ ri. 12 28 ☿ sta.	4 57	7 3	17 56	☿ 0	1 7	7 5	8 53
2	3	☿ in apogee	4 56	7 4	18 11	12	1 39	7 48	9 36
3	4	☿ sets 9 39	4 55	7 5	18 26	24	2 9	8 30	10 18
4	5	☿ south 1 22	4 54	7 6	18 41	☿ 6	2 37	9 14	11 2
5	6	Arct. so. 10 38	4 53	7 7	18 55	18	3 9	9 59	11 47
6	7	Bootis so. 11 3	4 52	7 8	19 9	☿ 0	3 41	10 45	12 11
7	D	4th Sun. aft. Eas.	4 51	7 9	19 23	13	4 15	11 33	12 57
8	2	rainy	4 50	7 10	19 36	26	rises	morn	1 45
9	3	☿ sets 11 36	4 50	7 10	19 49	☿ 9	8 9	12 24	2 36
0	4	☿ ☉ ☿ su. [Duns.	4 49	7 11	20 2	23	9 7	1 18	3 30
1	5	☉ enters ☿ ☿	4 48	7 12	20 14	☿ 6	10 0	2 13	4 25
2	6	☿ runs high	4 47	7 13	20 26	20	10 48	3 8	5 20
3	7	Day 14h. 28m. l.	4 46	7 14	20 37	☿ 4	11 32	4 4	6 16
4	D	5th S. aft. E. R.S.	4 46	7 14	20 49	18	morn	4 58	7 10
5	2	☿ south 12 28	4 45	7 15	20 59	☿ 2	12 13	5 51	8 3
6	3	rainy	4 44	7 16	21 10	16	12 50	6 44	8 56
7	4	☿ in pe. Ven. Be.	4 43	7 17	21 20	☿ 1	1 27	7 36	9 48
8	5	Asc. D.H. Thurs.	4 43	7 17	21 30	15	2 3	8 28	10 40
9	6	Spica ☿ so. 8 50	4 42	7 18	21 39	29	2 40	9 20	11 32
0	7	Regul. sets 12 13	4 42	7 18	21 48	☿ 13	3 28	10 13	12 1
1	D	1st Sun. aft. Asc.	4 41	7 19	21 57	27	4 1	11 7	12 55

REMARKABLE EVENTS.

Treaty with France ratifi'd 1778	15 British burnt Camden 1781
Siege of Quebec raised '76	20 Arnold joins Cornwallis '81
First Congress met '75	24 Battle near Savannah '82
Charleston surrendered '80	25 Federal Convention met '82

Moon's Phases.					Days.	Planets' Places, &c.								D's age.	D's Lat.	Alioth on mer	
D. H. M.						☉	☿	♈	♉	♊	♋	♌	♍			deg.	H.
						☿	♈	♉	♊	♋	♌	♍	☿				
New	●	1	0	48 Aft.	1	11	6	1	10	6	14	3	4	15 S	8	8	
First	☾	9	8	22 Morn.	7	17	6	1	10	9	21	10	4	73 S	7	44	
Full	☉	8	1	14 Morn.	13	22	6	2	9	13	29	16	4	133 N	7	19	
Last	☾	23	7	56 Aft.	19	28	6	3	8	17	☿	18	3	194 N	6	54	
New	●	30	11	44 Aft.	25	☿	6	3	7	21	13	18	3	252 S	6	29	

M D	W D	Remarks.	Sun rises	Sun sets.	☉'s de. N	☾'s place	Moon sets	Moon south.	H. W Phil.
1	2	Nicom. rainy.	4 40	7 20	22 5	☿ 10	sets.	Aft. 1	1 49
2	3	☾ runs low	4 40	7 20	22 13	24	8 16	12 55	2 42
3	4	Bootis so. 9 51 ☾	4 39	7 21	22 21	☿ 7	9 6	1 48	3 36
4	5	♈ ☿ ♈	4 39	7 21	22 28	20	9 49	2 38	4 26
5	6	Boniface	4 38	7 22	22 35	☿ 2	10 29	3 27	5 15
6	7	Arc. so 9 9	4 38	7 22	22 41	14	11 5	4 13	6 1
7	D	Whit Sunday	4 37	7 23	22 47	26	11 37	4 57	6 45
8	2	☿'s gr. el. ☾ a	4 37	7 23	22 52	☿ 8	morn.	5 40	7 28
9	3	changeable	4 37	7 23	22 58	20	12 6	6 23	8 11
10	4	Emberday	4 36	7 24	23 2	☿ 2	12 35	7 5	8 53
11	5	St. Barnabas	4 36	7 24	23 7	14	1 5	7 49	9 37
12	6		4 36	7 24	23 11	26	1 37	8 34	10 22
13	7	☿ south 11 0	4 36	7 24	23 14	☿ 9	2 9	9 20	11 8
14	D	Trinity Sunday	4 35	7 25	23 17	21	2 45	10 11	11 59
15	2	Antar. so. 10 42	4 35	7 25	23 20	☿ 5	3 26	11 3	12 23
16	3	Day 14h. 50m. l.	4 35	7 25	23 22	18	4 12	11 58	1 15
17	4	St. Alban fair ☾	4 35	7 25	23 24	☿ 2	rises	morn.	2 10
18	5	☾ runs high	4 35	7 25	23 26	16	8 40	12 55	3 7
19	6	☿ sets 9 41	4 35	7 25	23 27	☿ 0	9 27	1 52	4 4
20	7	☾ in perigee	4 35	7 25	23 27	15	10 9	2 48	5 0
21	D	☉ en. ☿ sum. co.	4 35	7 25	23 28	29	10 48	3 42	5 54
22	2	☿ s. 2 30, ☿ sta.	4 35	7 25	23 27	☿ 13	11 26	4 36	6 48
23	3	perhaps rain	4 35	7 25	23 27	28	morn.	5 29	7 41
24	4	Nat. St. John B.	4 35	7 25	23 26	☿ 12	12 1	6 20	8 32
25	5	☿ sets 8 39	4 35	7 25	23 24	25	12 36	7 11	9 23
26	6	☿ sets 2 50	4 35	7 25	23 22	☿ 9	1 14	8 3	10 15
27	7	Reg. sets 10 18	4 35	7 25	23 20	23	1 54	8 55	11 7
28	D	2d Su. af. Tr.	4 35	7 25	23 18	☿ 6	2 37	9 48	12 0
29	2	St. Peter ☿ r. l.	4 36	7 24	23 14	20	3 22	10 41	12 29
30	3	perhaps rain ☾	4 36	7 24	23 11	☿ 3	4 13	11 33	1 21

REMARKABLE EVENTS.

1 Boston port shut 1774	20 Siege of Ninety-Six raised '8
15 George Washington appointed general '75	24 Treaty with Great Britain '8
17 Battle of Bunker's hill '75	25 Battle of Charleston '76
18 Philadelphia evacuated '78	28 Battle of Monmouth '78
	28 Battle of Sullivan's Island '76

Moon's Phases.				Planets' Places, &c.										D's		Alioth	
				Days.	☉	☿	♈	♊	♉	♊	♋	♌	♍	♎	♏	Lat.	on mer.
D. H. M.					☉	☿	♈	♊	♉	♊	♋	♌	♍	♎	♏	Deg.	H. M.
First	☾	9	1 30	Morn.	7	15	5	4	7	25	21	16	3	2	5	S	6 4
Full	☉	16	9 41	Morn.	13	21	5	6	6	☉	☉	9	2	14	5	N	5 15
Last	☾	23	1 13	Morn.	19	27	5	6	6	6	13	9	2	20	2	N	4 51
New	☉	30	0 38	Aft.	25	☉	5	7	6	10	20	13	1	26	5	S	4 27

M	D	W	D	Remarks.	Sun rises	Sun sets.	☉'s de. N	D's place	Moon sets	Moon south	HW Phil.
1	4			☿ r. 8 58 3 ☾ ☿ ☿	4 36	7 24	23 7	☉ 16	sets	Aft. 24	2 12
2	5			Visit. of b. v. M.	4 36	7 24	23 3	28	8 21	1 14	3 2
3	6			[Tran. of St M.	4 37	7 23	22 58	☉ 10	8 59	2 2	3 50
4	7			Decl. Independ.	4 37	7 23	22 53	23	9 31	2 46	4 34
5	D			3d Sun. aft. Tr.	4 37	7 23	22 48	☿ 5	10 3	3 30	5 18
6	2			☉ in ap [☉ ☉ ☿ I.	4 38	7 22	22 42	16	10 32	4 13	6 1
7	3			☿ south 9 11	4 38	7 22	22 35	28	11 1	4 55	6 43
8	4			L.s. 11 19 ☉ ☿ ☿	4 39	7 21	22 29	☉ 10	11 31	5 38	7 26
9	5			Anta. so. 9 3	4 39	7 21	22 22	22	morn.	6 2	8 10
10	6			fair	4 40	7 20	22 14	☿ 4	12 3	7 7	8 55
11	7			☿ south 1 9	4 40	7 20	22 6	17	12 37	7 54	9 42
12	D			4th S. aft. Tr.	4 41	7 19	21 58	30	1 13	8 45	10 33
13	2			☿ se. 8 15 ☉ ☿ ☿	4 41	7 19	21 50	☿ 13	1 57	9 39	11 27
14	3			R's eye ris. 1 56	4 42	7 18	21 41	27	2 47	10 35	12 23
15	4			Swithin Dr. h. ☉	4 43	7 17	21 31	☿ 11	3 43	11 33	12 47
16	5			☿ sta. chang'ble	4 43	7 17	21 22	25	rises.	morn.	1 45
17	6			Day 14h. 34m. l.	4 44	7 16	21 12	☿ 10	8 0	12 31	2 43
18	7			☿ in perigee	4 45	7 15	21 1	25	8 44	1 29	3 41
19	D			5th S. a. T. ☉ ☿ ☿	4 46	7 14	20 50	☿ 9	9 22	2 25	4 37
20	2			Margaret	4 46	7 14	20 39	24	9 59	3 19	5 31
21	3			☿ south 12 24	4 47	7 13	20 28	☿ 8	10 35	4 12	6 24
22	4			Magdalen	4 48	7 12	20 16	22	11 12	5 4	7 16
23	5			☉ enters ☉	4 49	7 11	20 4	☿ 6	11 51	5 56	8 8
24	6			fair	4 49	7 11	19 51	20	morn.	6 48	9 0
25	7			☿ sets 8 11 St. J.	4 50	7 10	19 39	☿ 3	12 33	7 41	9 53
26	D			6th Sun. af. Tr.	4 51	7 9	19 25	16	1 18	8 33	10 45
27	2			☉ ☿ ☿ ☿ r. l. ☉	4 52	7 8	19 12	29	2 6	9 25	11 37
28	3			Lyra south 9 59	4 53	7 7	18 58	☿ 12	2 57	10 16	12 4
29	4			☿ sta.	4 54	7 6	18 44	25	3 50	11 6	12 54
30	5			Dog days com.	4 55	7 5	18 30	☉ 7	4 47	11 54	1 42
1	6			☉ ☿ ☿ rainy.	4 56	7 4	18 15	19	sets.	Aft. 41	2 29

REMARKABLE EVENTS.

Massacre at Wyoming by the Tories and Indians 1778	8 Cannonade Guvin's island '79
Independence declared '76	10 French landed to assist America on Rhode Island '80
Fairfield burnt '77	11 Savannah evacuated '82
Norwalk burnt '79	15 Stoney-Point taken '79

Moon's Phases.				Planets' Places, &c.										☾'s age.	☾'s Lat.	Alioth on mer.
				Days.	☉	☿	♈	♉	♊	♋	♌	♍	♎		Deg.	H. M.
				1	9	4	8	5	15	29	21	1	3	2	S	4 0
First ☾	D	7	5 12 Aft.	7	15	4	9	5	18	☿	☉	1	9	3	N	3 37
Full ☉	O	14	5 25 Aft.	13	21	4	10	6	22	13	12	0	15	4	N	3 14
Last ☾	C	21	8 34 Morn.	19	26	3	10	6	26	21	25	0	21	3	S	2 52
New ●	●	29	3 54 Morn.	25	☿	3	11	6	30	28	☿	☿	27	5	S	2 30

M	W	Remarks.	Sun rises	Sun sets	☉'s de. N	☾'s place	Moon sets	Moon south.	H W Phil.
D	D								
1	7	☿ s. 8 6 La. day	4 57	7 3	18 0	☿ 1	8 3	1 25	3 13
2	D	7th S. aft. Trin.	4 58	7 2	17 45	13	8 33	2 8	3 56
3	2	☾ in apogee	4 59	7 1	17 29	25	9 2	2 51	4 39
4	3	7*'s rise 11 11	5 0	7 0	17 13	☉	6 9 31	3 33	5 27
5	4	Day 13h. 58m. l.	5 1	6 59	16 57	18	10 2	4 16	6 4
6	5	Tr. of our Lord	5 2	6 58	16 41	☿	0 10 34	5 0	6 48
7	6	♊ sets 11 50	5 3	6 57	16 24	12	11 11	5 46	7 34
8	7	☿ rises 3 54	5 4	6 56	16 7	25	11 50	6 35	8 23
9	D	8th Sun. aft. Tr.	5 5	6 55	15 50	♊ 8	morn.	7 26	9 14
10	2	St. Law. ☾ r. h.	5 6	6 54	15 32	21	12 35	8 21	10 9
11	3	☿ s. 11 0 ☿ h ☾	5 7	6 53	15 14	☿ 5	1 29	9 17	11 3
12	4	Lyra so. 9 2	5 8	6 52	14 56	19	2 27	10 15	12 2
13	5	changeable	5 9	6 51	14 38	☿	4 3 31	11 13	12 2
14	6	♈ rises 4 9	5 10	6 50	14 20	18	rises	morn.	1 2
15	7	☾ in perigee	5 12	6 48	14 1	☿ 3	7 16	12 11	2 2
16	D	9th S. aft. Trin.	5 13	6 47	13 42	18	7 58	1 9	3 2
17	2	7*'s rise 10 22	5 14	6 46	13 23	☿ 3	8 36	2 5	4 1
18	3	B's eye ri. 11 36	5 15	6 45	13 4	18	9 15	2 59	5 1
19	4	☿ s. 7 50 ☿ ☉ ♈	5 16	6 44	12 44	☿ 2	9 54	3 53	6 5
20	5	☿ ☉ ☿ sup.	5 17	6 43	12 25	16	10 35	4 47	6 5
21	6	☿ south 10 20	5 19	6 41	12 5	☿ 0	11 20	5 40	7 5
22	7	changeable	5 20	6 40	11 45	13	morn.	6 33	8 4
23	D	10th S. aft T. ☉	5 21	6 39	11 24	26	12 7	7 26	9 3
24	2	St. Bart. [en. ☿	5 22	6 38	11 4	☿ 9	12 58	8 17	10 2
25	3	♊ sets 10 45	5 23	6 37	10 43	21	1 51	9 7	11 1
26	4	♈ rises 3 31	5 25	6 35	10 22	☉ 4	2 47	9 56	12 3
27	5	Day 13h 8m. l.	5 26	6 34	10 1	16	3 43	10 43	12 3
28	6	St. Augustine	5 27	6 33	9 40	28	4 39	11 27	1 1
29	7	St. John Bap. be.	5 28	6 32	9 19	☿ 10	sets	Aft. 11	1 5
30	D	11th Sun. aft. Tr.	5 30	6 30	8 57	21	7 11	12 54	2 4
31	2	[☉ ☉ ♊, ☿ in ap.	5 31	6 29	8 36	☉ 3	7 40	1 37	3 2

REMARKABLE EVENTS.

16 Battle of Camden 1780	22 Siege of fort Schuyler rais'd
20 Indians defeated by general Wayne '94	26 De Grasse's fleet arrived '8
	27 Battle of Long Island '76

Moon's Phases.				Planets' Places, &c.								A's		Alioth	
				Days.	☉	☿	♈	♉	♊	♋	♌	♍	♎	Lat.	on mer.
D H M.					☉	☿	♈	♉	♊	♋	♌	♍	♎	deg.	H. M.
First ☾	6	6	59 Morn.	7	15	3	12	7	4	7	19	29	4	1 N	2 4
Full ☉	13	1	28 Morn.	13	21	3	13	8	12	21	29	16	0	N	1 21
Last ☾	19	7	5 Aft.	19	26	3	14	9	16	28	18	28	22	S	1 0
New ☉	27	9	2 Aft.	25	2	3	15	10	20	26	28	28	2	S	12 38

M	W	Remarks.	Sun	Sun	☉'s	☾'s	Moon	Moon	H W
D	D		rises	sets.	de. N	place	sets	south.	Phil.
1	3	Giles	5 52	6 28	8 14	♈ 15	8 11	2 20	4 8
2	4	♈ rises 3 10	5 53	6 27	7 52	27	8 46	3 4	4 52
3	5	Sirius ris. 2 47	5 55	6 25	7 30	♉ 9	9 17	3 49	5 37
4	6		5 56	6 24	7 8	21	9 53	4 35	6 23
5	7	Day 12h. 46m. 1.	5 57	6 23	6 46	♊ 3	10 37	5 25	7 13
6	D	12th S. aft. Trin.	5 58	6 22	6 23	16	11 24	6 16	8 4
7	2	☿ sets 7 32 Dr. l.	5 40	6 20	6 1	29	morn.	7 10	8 58
8	3	N. of B. V. M. ☾	5 41	6 19	5 38	♋ 13	12 19	8 6	9 54
9	4		5 42	6 18	5 16	27	1 18	9 3	10 51
10	5	7*'s rise 8 54	5 44	6 16	4 53	♌ 12	2 24	10 0	11 48
11	6	♈ south 9 1	5 45	6 15	4 30	26	3 34	10 58	12 12
12	7	☾ in per. fair	5 46	6 14	4 7	♍ 12	4 47	11 55	1 10
13	D	15th S. aft. T. ☾	5 47	6 13	3 44	27	rises	morn.	2 7
14	2	♈ r. 2 35 [ec. vis.	5 49	6 11	3 21	☿ 12	7 16	12 52	3 4
15	3	B's eye ris. 9 55	5 50	6 10	2 58	27	7 56	1 48	4 0
16	4	Emberday	5 51	6 9	2 35	♎ 12	8 39	2 44	4 56
17	5	Lambert	5 53	6 7	2 12	26	9 24	3 40	5 52
18	6	☾ runs low	5 54	6 6	1 48	☿ 10	10 12	4 35	6 47
19	7	perhaps rain	5 55	6 5	1 25	23	11 2	5 29	7 41
20	D	14th S. aft. T. ☾	5 57	6 3	1 2	♌ 6	11 56	6 22	8 34
21	2	♈ s. 8 25. St. M	5 58	6 2	0 38	18	morn.	7 13	9 25
22	3	7*'s rise 8 11	5 59	6 1	N 15	♈ 1	12 51	8 2	10 14
23	4	☉ ent. ♌ Aut. c.	6 0	6 0	S 9	13	1 46	8 50	11 2
24	5	Fomal. so. 10 42	6 2	5 58	0 32	25	2 42	9 35	11 47
25	6	☿ sets 7 18	6 3	5 57	0 55	☿ 7	3 39	10 19	12 7
26	7	☾ in apo. St. Cy.	6 4	5 56	1 19	18	4 35	11 2	12 50
27	D	15th S. aft. T. ☉	6 6	5 54	1 42	♌ 0	5 30	11 45	1 33
28	2	D 11 46 [ec. inv.	6 7	5 53	2 6	12	sets.	Aft. 28	2 16
29	3	St. Michael	6 8	5 52	2 29	24	6 53	1 11	2 59
30	4	Jerome	6 10	5 50	2 52	♌ 6	7 27	1 56	3 44

REMARKABLE EVENTS.

3 Definitive treaty 1782	15 New York taken '76
5 Sea-fight, Chesapeake '81	24 Battle of King's mountain '80
6 Groton burnt '81	25 Arnold's plot '80
8 Battle of Eutaw '81	26 Philadelphia taken '77
11 Battie of Brandywine '77	27 Major Andre taken '80

Moon's Phases.

Moon's Phases.				Days.	Planets' Places,&c.								D's age.	D's Lat.		Alioth. on mer.		
	D.	H.	M.		☉	♈	♉	♊	♋	♌	♍	♎		♏	deg.			
																H.	M.	
First ☾	5	6	48	Aft.	1	8	2	15	10	23	13	3	28	5	4	N	12	16
Full ☉	12	10	28	Morn.	7	14	2	16	11	27	20	9	28	11	4	N	11	55
Last ☾	19	9	29	Morn.	13	20	2	16	12	♈	27	13	27	17	3	S	11	33
New ●	27	2	43	Aft.	19	26	2	17	14	5	♊	14	27	23	5	S	10	10
					25	♎	2	17	15	9	12	10	27	29	1	N	10	47

M	D	W	D	Remarks.	Sun rises	Sun sets.	☉'s de. S.	☾'s place	Moon sets	Moon south.	HW Phil.
1	5			Remigius	6 11	5 49	3 16	♎ 18	8 3	2 42	4 3
2	6			♋ sets 6 39	6 12	5 48	3 39	♊ 0	8 42	3 29	5 1
3	7			☾ runs high	6 14	5 46	4 2	13	9 28	4 20	6
4	D			16th S. aft. Trin.	6 15	5 45	4 26	26	10 18	5 11	6 5
5	2			♋'s g. el. rain ☾	6 16	5 44	4 49	♋ 9	11 15	6 5	7 5
6	3			Faith	6 18	5 42	5 12	22	morn.	7 0	8 4
7	4			♀ sets 7 12	6 19	5 41	5 35	♈ 6	12 17	7 55	9 4
8	5			Day 11h. 20m. l.	6 20	5 40	5 58	20	1 21	8 51	10 3
9	6			St. Denys	6 21	5 39	6 21	♋ 5	2 31	9 46	11 3
10	7			B's eye ris. 8 24	6 23	5 37	6 43	20	3 43	10 42	12 3
11	D			17th S. aft. T. ☾	6 24	5 36	7 6	♋ 5	4 56	11 38	12 5
12	2			♈ sta. [in peri.	6 25	5 35	7 29	20	rises.	morn.	1 5
13	3			♊ sets 8 10	6 27	5 33	7 51	♋ 5	6 37	12 35	2 4
14	4			♋ rises 4 50	6 28	5 32	8 14	20	7 22	1 32	3 4
15	5				6 29	5 31	8 36	♈ 4	8 11	2 29	4 4
16	6			Sirius ris. 12 7	6 30	5 30	8 58	18	9 1	3 26	5 3
17	7			Ethel. ♋ sta. ☉	6 32	5 28	9 20	♈ 2	9 54	4 20	6 3
18	D			18th Su. af. Tr.	6 33	5 27	9 42	15	10 49	5 14	7 2
19	2			♀ se. 7 11 [St. L.	6 34	5 26	10 4	27	11 46	6 4	8 1
20	3			changeable	6 35	5 25	10 25	♎ 10	morn	6 53	9
21	4			♈ south 6 34	6 37	5 23	10 47	22	12 43	7 40	9 5
22	5			☾ in apogee	6 38	5 22	11 8	♋ 3	1 39	8 24	10 3
23	6			☉ enters ♎	6 39	5 21	11 29	15	2 34	9 7	11 1
24	7			Fomal. so. 8 51	6 40	5 20	11 50	27	3 31	9 50	12
25	D			19th S. af. T. Cr.	6 42	5 18	12 11	♈ 9	4 27	10 32	12 2
26	2			♋ ri. 4 42 ☉ ☾	6 43	5 17	12 32	21	5 23	11 15	1
27	3			rainy	6 44	5 16	12 52	♎ 3	sets.	Aft. 0	1 4
28	4			St. Si. & St. Jude.	6 45	5 15	13 12	15	6 9	12 45	2 3
29	5			[♋ ☉ ♋ Inf.	6 47	5 13	13 32	27	6 47	1 32	3 2
30	6			Day 10h. 24m. l.	6 48	5 12	13 52	♊ 10	7 31	2 22	4 1
31	7			☾ runs high	6 49	5 11	14 12	23	8 20	3 13	5

REMARKABLE EVENTS.

1 Billingsport evacuated 1777	19 Cornwallis taken '81
2 Major Andre executed '80	20 Battle of Red-bank '77
4 Battle of Germantown '77	24 Battle of Mohawk river '81
15 Esopus burnt '77	27 Burgoyne surrendered '77
18 Falmouth burnt '75	28 Battle of White Plains '77

Moon's Phases.				Planets' Places, &c.								D's		Alioth	
				Days.	☉	☿	♈	♊	♋	♌	♍	♎	♏	Lat.	on mer.
					☉	☿	♈	♊	♋	♌	♍	♎	♏	Deg.	H. M.
D. H. M.				1	9	3	18	16	13	20	1	26	6	5 N	10 20
First ☾	4	4	50 Morn.	7	15	3	18	17	17	27	26	12	0 N	9 57	
Full ☉	10	8	45 Aft.	13	21	3	18	19	21	♊	26	18	5 S	9 32	
Last ☾	17	3	50 Morn.	19	27	3	18	20	25	11	9	25	24	1 S	9 7
New ☉	26	7	31 Morn	25	♊	3	18	21	29	18	17	25	30	4 N	8 42

M W	D D	Remarks.	Sun rises	Sun sets.	☉'s de. S.	D's place	Moon sets	Moon south	H W Phil.
1	D	20th S. aft. T. ☾	6 50	5 10	14 31	♊ 6	9 13	4 5	5 53
2	2	All Souls [All S	6 51	5 9	14 50	19	10 11	4 58	6 46
3	3	B's eye so. 1 53	6 53	5 7	15 9	☿ 2	11 13	5 52	7 40
4	4	rain or snow	6 54	5 6	15 28	16	morn.	6 45	8 33
5	5	Pegasi so 8 13	6 55	5 5	15 46	30	12 18	7 38	9 26
6	6	Leonard & sta.	6 56	5 4	16 4	♋ 14	1 27	8 32	10 20
7	7	♀ sets 7 23	6 57	5 3	16 22	29	2 37	9 26	11 14
8	D	21st S. aft. T. ☾ in	6 58	5 2	16 39	♋ 13	3 48	10 21	12 9
9	2	Day 10 2 [peri.	6 59	5 1	16 57	28	5 0	11 16	12 33
10	3	☉ h, rain or	7 0	5 0	17 14	♋ 13	rises	morn	1 28
11	4	St. Martin [snow	7 1	4 59	17 30	28	5 59	12 13	2 25
12	5	7*'s south 12 25	7 2	4 58	17 47	♋ 12	6 49	1 10	3 22
13	6	♊ sets 6 34 Dr. l.	7 3	4 57	18 3	26	7 42	2 7	4 19
14	7	♋'s gr. elong. ☾	7 4	4 56	18 18	☿ 10	8 36	3 2	5 14
15	D	22d S. aft. Trin.	7 5	4 55	18 34	23	9 34	3 55	6 7
16	2	Sirius so. 3 12	7 6	4 54	18 49	♋ 5	10 33	4 46	6 58
17	3	rain or snow	7 7	4 53	19 4	18	11 29	5 34	7 46
18	4	Fomal. so. 7 11	7 8	4 52	19 18	30	morn.	5 19	8 31
19	5	♈ rises 10 44	7 9	4 51	19 32	♋ 12	12 25	7 3	9 15
20	6	☾ in apogee	7 10	4 50	19 46	24	1 21	7 45	9 57
21	7	☿ sets 9 23	7 11	4 49	19 59	♋ 5	2 17	8 27	10 39
22	D	23d S. aft. T. ☉	7 12	4 48	20 12	17	3 12	9 9	11 21
23	2	St. Clem. [en. ♀	7 13	4 47	20 25	29	4 8	9 53	12 5
24	3	[Cecilia.	7 14	4 46	20 37	♋ 11	5 6	10 38	12 26
25	4	♀ sets 7 45 Cath.	7 14	4 46	20 49	24	6 2	11 24	1 12
26	5	stormy	7 15	4 45	21 0	♊ 6	sets.	Aft. 13	2 1
27	6	7*'s south 11 22	7 16	4 44	21 11	19	6 11	1 4	2 52
28	7	Day 9h. 26m. ☾	7 17	4 43	21 22	♋ 2	7 3	1 57	3 45
29	D	Adv. Sun. ♈ sta.	7 17	4 43	21 32	16	8 0	2 50	4 38
30	2	St. Andrew.	7 18	4 42	21 42	29	9 1	3 43	5 31

REMARKABLE EVENTS.

3 Saint Johns taken 1775	16 Mud-Island taken '77
4 General St. Clair defeated '91	18 Fort Lee taken '76
13 Montreal taken '75	25 New-York evacuated '80
14 Fort Mifflin evacuated '77	30 Provisional treaty signed '82
16 Fort Washington taken '76	

Moon's Phases.

	D.	H.	M.
First ☾	3	1	32 Aft.
Full ☉	10	8	37 Morn.
Last ☾	18	1	3 Morn.
New ●	25	10	33 Aft.

Planets' Places, &c.									D's age.	D's		Alioth	
Days.	☉	♄	♃	♅	♂	♀	♁	♂		Lat.	on mer.		
	↑	♄	♃	↑	♄	♂	♄	♄	Deg.	H.	M.		
1	9	3	18	23	3	25	26	25	6 3	N	8	17	
7	15	4	18	24	7	♄	↑	24	12 3	S	7	51	
13	21	4	18	25	11	8	15	24	18 4	S	7	24	
19	28	4	18	27	15	15	24	24	24 2	N	7	58	
25	♄	5	18	28	19	21	♄	23	1 5	N	6	31	

M	W	Remarks.	Sun rises	Sun sets.	☉'s de. S.	D's place	Moon sets	Moon south.	H W Phil.
1	3	♄ rises 9 53	7 19	4 41	21 52	♄ 13	10 5	4 36	6 24
2	4	snow or rain	7 19	4 41	22 1	27	11 12	5 29	7 17
3	5	Pegasi so. 6 16	7 20	4 40	22 9	♄ 10	morn.	6 20	8 8
4	6	Day 9h. 18m. lo.	7 21	4 39	22 18	25	12 18	7 12	9 0
5	7	B's eye so. 11 36	7 21	4 39	22 25	♄ 9	1 26	8 3	9 51
6	D	2d S. in Ad. Ni.	7 22	4 38	22 33	28	2 34	8 56	10 44
7	2	♀ sets 8 2 (D in p.	7 22	4 38	22 39	♄ 7	3 43	9 51	11 39
8	3	Conc. of B.V.M.	7 22	4 38	22 46	22	4 52	10 46	12 3
9	4	Sir. so. 1 33	7 23	4 37	22 52	♄ 6	5 58	11 42	12 58
10	5	♄ runs low rain	7 23	4 37	22 57	20	rises.	morn.	1 44
11	6	♄ sets 8 0	7 24	4 36	23 2	♄ 4	6 11	12 38	2 50
12	7	7*'s south 10 17	7 24	4 36	23 7	18	7 8	1 32	3 44
13	D	3d S. in A. Lucy	7 24	4 36	23 11	♄ 1	8 7	2 25	4 37
14	2	♄ south 3 57	7 25	4 35	23 15	13	9 6	3 15	5 27
15	3	Day 9h. 10m. l.	7 25	4 35	23 18	26	10 2	4 2	6 14
16	4	Emberday	7 25	4 35	23 21	♄ 8	10 59	4 45	6 58
17	5	Sirius so. 12 55	7 25	4 35	23 23	20	11 56	5 30	7 42
18	6	♄ ☉ ♄, fair	7 25	4 35	23 25	♄ 1	morn.	6 12	8 24
19	7	♀ se. 8 17 (D in ap.	7 25	4 35	23 26	13	12 41	6 54	9 6
20	D	4th S. in Ad.	7 25	4 35	23 27	25	1 45	7 36	9 48
21	2	☉ en. ♄ win. co.	7 25	4 35	23 27	♄ 7	2 42	8 20	10 32
22	3	[St. Thomas	7 25	4 35	23 27	20	3 58	9 5	11 17
23	4	♄ sets 7 17	7 25	4 35	23 27	♄ 2	4 35	9 52	12 4
24	5	♄ ☉ ♄ S. r. h.	7 25	4 35	23 26	15	5 34	10 43	12 31
25	6	Christm. ♄'sg.e.	7 25	4 35	22 24	28	6 29	11 35	1 23
26	7	St. Stephen	7 25	4 35	23 22	♄ 12	sets	Aft. 30	2 18
27	D	1st S. aft. Ch. St	7 25	4 35	23 20	25	6 39	1 25	3 13
28	2	Innocents [John	7 25	4 35	23 17	♄ 9	7 44	2 19	4 7
29	3	7*'s south 9 2	7 24	4 36	23 14	23	8 50	3 12	5 0
30	4	B's eye so. 9 46	7 24	4 36	23 10	♄ 7	9 57	4 5	5 53
31	5	Silvester	7 24	4 36	23 6	22	11 6	4 57	6 45

REMARKABLE EVENTS.

6 Rhode-Island taken 1776	14 Jersey overran '76
7 Newport taken '76	15 Charleston evacuated '83
8 Battle of G. Bridge, Va. '75	16 Tea destroyed at Boston '73
14 George Washington died '99	26 Hessians taken '76

VALUABLE RECEIPTS.

To dye silk blue.—Silk is dyed light blue by a ferment of six parts of bran, six of indigo, six of potass, and one of madder. To dye it of a dark blue, it must previously receive what is called a *ground-colour*; a red dye-stuff, called archil, is used for this purpose.

To dye cotton and linen blue.—Cotton and linen are dyed blue by a solution of one part of indigo, one part of green sulphate of iron, and two parts of quick-lime.

To dye black cloth green.—Clean the cloth well with bullock's gall and water, and rinse in warm water; then make a copper full of river water boiling hot, and take from one pound to one pound and a half of fustic; put it in, and boil it twenty minutes, to which add a lump of alum of the size of a walnut; when this is dissolved in the copper, put in the coat, and boil it twenty minutes; then take it out, and add a small wine glass, three parts full, of chemic blue, and boil again from half an hour to an hour, and the cloth will be a beautiful dark green; then wash out and dry.

To obtain a dyeing matter from potato tops.—Cut off the tops when it is in flower, and extract the juice, by bruising and pressing it. Linen or woollen imbibed in this liquor forty-eight hours, will take a brilliant, but solid and permanent yellow colour. If the cloth be afterwards plunged in a blue dye, it will acquire a beautiful permanent green colour. As to the mode of execution, it should pass through the hands of a chemist or skilful dyer, to derive all the advantages it is capable of furnishing.

To turn red hair black.—Take a pint of the liquor of pickled herrings, half a pound of lamp-black, and two ounces of the rust of iron. Mix and boil them for twenty minutes, then strain and rub the liquid well into the roots of the hair.

To take iron-moulds out of linen.—Hold the iron mould on the cover of a tankard of boiling water, and rub on the spot a little juice of sorrel and salt, and when the cloth has thoroughly imbibed the juice, wash it in ley.

To clean paper hangings.—Cut into eight half quarters a stale quartern loaf; with one of these pieces, after having blown off all the dust from the paper to be cleaned by means of a good pair of bellows, begin at the top of the room, holding the crust in the hand, and wiping lightly downward with the crumb, about half a yard at each stroke, till the upper part of the hangings is completely cleaned all round; then go again round with the like sweeping stroke downward, always commencing each successive course a little higher than the upper stroke had extended till the bottom be finished. This operation, if carefully performed, will frequently make very old paper look almost equal to new. Great caution must be used not by any means to rub the paper hard, nor to attempt clean-

ing it the cross or horizontal way. The dirty part of the bread too must be each time cut away, and the pieces renewed as soon as at all necessary.

To detect adulterated wine.—Heat equal parts of oyster shells and sulphur together, and keep them in a white heat for fifteen minutes, and when cold, mix them with an equal quantity of cream of tartar; put this mixture into a strong bottle with common water to boil for one hour, and then decant into ounce phials, and add 20 drops of muriatic acid to each; this liquor precipitates the least quantity of lead, copper, &c. from wines in a very sensible black precipitate.

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MISCELLANY.

Domestic Economy.

The following methods of making yeast for bread are both easy and expeditious: Boil one pound of good flour, a quarter of a pound of brown sugar, and a little salt, in two gallons of water for one hour; when milk warm, bottle it and cork it close: it will be fit for use in 24 hours. One pint of this will make 18lbs. of bread. To a pound of mashed potatoes (mealy ones are best) add two ounces of brown sugar, and two spoonfuls of common yeast; the potatoes first to be pulped through a cullender and mixed with warm water to a proper consistence. Thus a pound of potatoes will make a pound of good yeast. Keep it moderately warm while fermenting. This recipe is in substance from Dr. Hunter, who observes that yeast so made will keep well. No sugar is used by bakers, when adding the pulp of potatoes to their rising.

Preservation of grain, &c. from mice.

Mr. Macdonald in the Hebrides, having suffered considerably from mice, put at the bottom near the centre, and at the top of each sack or mow, as it was raised, three or four stalks of wild mint, with the leaves on, and never had any of his grain consumed. He tried the same experiment with his cheese and other articles kept in store and often injured by mice, and with equal effect, by laying a few leaves, green or dry, on the article to be preserved.

ABSENCE OF MIND.

A well known gentleman of Magdalen college, Cambridge, had taken his watch from his pocket to mark the time he intended to boil an egg for his breakfast, when a friend entering the room, found him absorbed in some abstruse calculation,

with the egg in his hand, upon which he was intently looking, and the watch supplying its place in the saucepan of boiling water.

LIFE AND DEATH.

"Death is Life, and Life is Death," said *Euripides*; and so said *Plato*, and so said the *Eastern Sages*. If then Death be Life, as the wise and virtuous of all ages have believed, the question recurs, what is Life?

Life, says the Beauty, is admiration and gay attire;—it is dice and dash, says the Spendthrift;—it is gain says the Merchant and the Miser; it is power says the Prince. Yet the Alchymist looks for it in an elixir. But Death dethrones the Prince—breaks the Merchant and Miser—out-dashes the Spendthrift and the Belle, and spills the elixir of Life.

Life is action, says the Cricketeer; it is a feast, says the Glutton; it is a bubble, says the Philosopher: but Death bursts the Philosopher's bubble, gormandizes the Glutton, and bowls out the Crickateer.

It is fees, says the Physician; it is judgment and execution, says the Judge; it is all vanity, says the Parson: but Death humbles the Parson's vanity, executes the Judge and his judgments, and takes fee of the Physician and his Patients too!

Thou art then a very Proteus, Death, at once a Miser, a Merchant, and a Prince,—thou art a Game, a Glutton, and a Bubble,—thou art Justice to the injured, a Physician to the sick, and a humbler of Vanity,—thou art Master of the Ceremonies of Life, sportng with it in every form, and we have sported with thee!

Thus, view them however we may, Life and Death are endless paradoxes; the love of the one, and the fear of the other, are unquestionably imprinted in our nature for wise purposes—they gain and lose strength,—they rise and fall—and in all their movements they *dance together*.

LOVE AND PHYSIC.

Doctor Snake had a dark little eye,
That peer'd through an eyebrow of thicket,
One day upon rich Widow Spry,
As she opened the latch of her wicket.

Doctor Snake felt a soft fascination,
Not cathartics nor opiates could cure;
He physick'd and fed to repletion,
Still doomed to repine and endure.

Doctor Snake tried infusions and lotions,
 Decoctions, and gargles, and pills,
 Electuaries, powders, and potions,
 Spermaceti, salts, scammony squills—

Horse aloes, burnt alum, agaic,
 Balm, benzoine, blood stone and birch,
 Castor, camphor, and acid tartaric,
 Crab's eyes, calomel—all but the Church.

Doctor Snake tried in vain—his disorder
 Gained daily new exacerbation,
 He fruitlessly sought to avoid her,
 The cause of his pain and vexation.

Doctor Snake met her last at Miss Snapper's,
 A virgin of fifty years standing,
 Like most 'blues,' with a tongue a bell clappers,
 Prim, knowing, and fond of commanding.

Doctor Snake made a friend of her blueness,
 And let out his passion like blood ;
 Said his heart to the fair was all trueness,
 That physic could do him no good.

That he dared not his sickness discover,
 And ask the specific to heal ;
 Though his heart beat the pulse of a lover,
 The symptoms he fear'd to reveal.

That the system Brunonian he'd ventured,
 And stimulants push'd to extremes,
 And his hope of recovery now centered
 On feeding and nursing his flames.

Miss Snapper looked serious—(she'd rather
 Have been in the place of her friend ;)
 At length, with some studying together,
 To the doctor the following they send :

' You may take *quantum suff.* of the lady,
 Add a drachm of gold ring and a prayer,
 In dispensary canonicals ready,
 Commingle, and swallow with care.'

A DEAR WIFE.

In a late suit in London nearly \$7,000 was recovered of a husband, for defamatory words uttered by his wife against the character of a neighbour.

TO PRESERVE APPLES.

Dry a glazed jar perfectly well, put a few pebbles in the bottom; fill the jar with apples, and cover it with a bit of wood made to fit exactly; and over that, put a little fresh mortar. The pebbles attract the damp of the apples. The mortar draws the air from the jar, and leaves the apples free from its pressure, which, together with the principle of putrefaction which the air contains, are the causes of decay.—Apples, kept thus, have been found quite sound, fair and juicy in July.

THE PERPETUAL COMPLAINT.

Being among the number of those with whom mankind are continually dissatisfied, I beg leave to subjoin my complaints to those that have occasionally introduced them to the public. When I tell you I am as old as Time herself, you will allow, that on the score of longevity I ought to be respected; and when I add that I am venerable in my appearance and temperature, as mortals themselves, you will also be disposed to grant that I am not to be reprobated on the score of inconstancy. Yet so it is, that though I seemingly take pains to accommodate my variable dispositions to the variable dispositions of mankind, this circumstance produces no sympathetic congeniality between us; and my inconstancy is rendered proverbial, while their own propensity to fickleness never occurs to their recollection. I have no quarrel with the world on the subjects of indifference, neglect, or disregard; for I must confess, every body pays me due attention; I am inquired after every night and every morning, and am so much the topic of conversation, and so regularly introduced after the customary greetings of ceremonial intercourse, that I may be said to be a kind of necessary assistant to conversation: for when people are barren of ideas, I am always at hand to supply the vacuity of their minds; yet I am scarcely mentioned in any other light than as the source of complaint and dissatisfaction, and without having some opprobrious epithet attached to my name. Sometimes I am accused of being too warm in my behaviour, sometimes too cold. If I smile unexpectedly, I am suspected of harbouring treacherous designs; and men say to one another sarcastically, "We shall pay for this!" If I continue my placid deportment, and am mild, sweet, and amiable, for any length of time, I am said to be good humoured even to satiety. Some wish me to weep when I am disposed to be merry, and some to be gay when I am inclined to be sad. Thick, heavy, dull, nasty, are epithets commonly applied to me. If I am still, I am said to be vapourish—if loud, boisterous and rude.—Aches, pains, rheumatisms, and shooting-corns, are often attributed to my influence. In short, I am so

wretched, so censured, so abused, every day, that it would seem as if I were a stranger upon earth, and born but yesterday, rather than an inhabitant of Paradise, known to Adam and Eve, and one who was present at the Creation.—But I will not detain you any longer, for I see you are looking at me through the window, and meditating an interview with your very old acquaintance

THE WEATHER.

BEGIN IN TIME.

Albert possessed, at the death of his father, a wide domain; he planned vast improvements; and intended to meliorate the condition of his tenants. He daily contemplated this object; and resolved to set about it quickly. He thought of it in the morning and in the evening: but the follies and fashions of the times engrossed him for the remainder of the day; still he would do it; he was determined on it. Thus he continued until he had arrived at the age of forty, when he set about it in good earnest: But e're he could complete his project, he died. He did not *begin in time*.

Clarissa was an enchanting girl; handsome, but not accomplished. She wished to be pious and godly; but she was *so* young; and had *so* many admirers—and, it would do when she grew older. She fell sick; Death hovered about her; then she wanted Religion; it was then she would begin; it was too late: she died in a phrenzied state. She did not *begin in time*.

Tom Dashall had a habit of swearing. He would fain mend it: he resolved on doing it—and he would begin soon. He kept on, however, till the age of fifty, and was then a disgusting object of profanity. He began to mend—but next year he departed this world. He did not *begin in time*.

Sam Thirsty was fond of strong drink. His friends told him if he persisted it would kill him. Sam laughed, thinking he could leave it off when he pleased. He grew old and grew worthless. Then he strove against it—but it was all in vain: He did not *begin in time*.

Timothy Giddy chose to be a lawyer. He would study hard, that he would. He frolicked with the men and coquetted with the girls: Yet, he would begin, he said, to apply himself closely very soon. He went on in the old way, frolicking, coquetting and resolving, till the time came for him to appear at the bar. He knew nothing of law; he had every thing to learn: He was laughed at, and scorned. He did not *begin in time*.

So it is with all things in life. Whatsoever you have to perform, therefore, do it presently, lest you die and the work should be left unfinished. Whether it be the improvement of the heart, of the mind, or of your estate, *begin in time*.

ANECDOTE.

A physician had a skeleton so fixed, that on entering the room a spring was touched, when, in an instant it grasped the person entering. A stranger called on the doctor for some medical aid, and was shewn into the room where the skeleton was; it seized him in a moment—he up with his fist to defend himself—but, to his great astonishment, he saw the ghastly figure disengaging itself, when he flew from the house like lightning. A few days after, meeting the doctor, (who might be called a walking skeleton,) coming out of his house—“Ah, —are you there! you think I don’t know you, with your clothes on? He seized the doctor by the throttle, and bestowing a few hearty whacks—take that for the sweat you gave me the other day.”

SYMPTOMS AND PROGRESS OF THE ROT IN SHEEP.

By an experienced Flock-master.

In the first stage of the rot, a sheep is in the frequent habit of rubbing the under lip against the fold, or its own fore legs, or any other hard substance—also of drinking a greater quantity of water when at the sheepfold than those that are sound, and showing a disposition rather to lick off the moisture from, than to crop the grass. In the second stage, the lips, nostrils, and throat, become swoln; the animal is feverish, insatiably thirsty, and almost incessantly visited by a sort of dry cough. In the third and last stage, the eyes become sunken—the eye-veins, small, discoloured, and nearly bloodless—the eye-balls livid and dim, with whites exceedingly pale, the burrs of the ears swoln, and free from wax—the liver, lights, and throat ulcerated—and the passage of respiration being stopped, the animal is suffocated. “I was led to this experience,” says the writer, “when very young in business, by an old shepherd who had been more than forty years upon the farm. Pointing to a sheep rubbing its lip against the fold, and acting otherwise in the manner above described. ‘That sheep, master,’ said he, ‘is touched with the rot. The best thing I can recommend you to do with him is, to take him home, before he is too far gone, give him some ground oats, and make him tidyish meat, and kill him.’ I did so, as sheep will thrive upon oats for some time after they are first affected—and when the sheep was opened, I discovered that its liver was full of things resembling plaice, and its lights just beginning to become ulcerated. The next sheep I found in the first stage as above mentioned, I suffered, by way of experiment, to take its chance, and it died, by suffocation, in the third stage, as above stated, which was the result of *at least* a dozen experiments.—*English paper.*

TO PREVENT DECAY IN TREES.

When old chesnut or others trees are rotted within the trunk, and threatened with speedy destruction by the progress of the carious taint, it may be stopped by applying fire to the decayed part, so as to *char* the whole of the neighbouring surfaces. By this management the life of a favourite tree may often be preserved.—*Chaptal's Chemistry*.

BLEEDING AT THE LUNGS.

The New York Evening Post says, "It is stated with unshaken confidence, and as the result of actual and repeated experience, that half a tumbler of gin sling, well covered with powdered nutmeg, proves a speedy and efficacious stop in that dangerous and alarming complaint, a bleeding of the lungs. It was the discovery of accident, but has never been known to fail, though often tried, even when all other known means have been resorted to in vain."

FROST-BITTEN.

It is said that if a frozen limb be immersed in warm water in which a quantity of alum has been dissolved, the effects of the frost will be entirely removed. The proportion is a pound of alum to a gallon of water.

To prevent infection from the Typhus Fever.

The sum of 5000*l*. is said to have been voted by parliament to Dr. J. C. Smith, for the publication of the following receipt:—6 drachms of powdered saltpetre, 6 drachms of oil of vitriol—mix them in a teacup, by adding one drachm of the oil at a time: the cup to be placed, during the preparation, on a hot hearth or plate of iron, and the mixture to be stirred with a tobacco pipe: the cup to be placed in different parts of the sick room.—*English paper*.

Cautions in visiting sick rooms.

Never venture into a sick room in a violent perspiration, (if circumstances require a continuance there for any time,) for the moment the body becomes cold, it is in a state likely to absorb the infection, and receive the disease. Nor visit a sick person, (especially if the complaint be of a contagious nature) with an *empty stomach*; as this disposes the system more readily to receive the infection. In attending a sick person, stand where the air passes from the door or window to the bed of the diseased, not betwixt the diseased person and any fire that is in the room, as the heat of the fire will draw the infectious

apour in that direction, and much danger would arise from reathing in it.

Light infusions of Ginger, alone, taken twice or thrice a day, have been found by the French Physicians to be very efficacious in rheumatic affection. The pains at first are more acute, but are succeeded by copious perspirations which afford relief.

CURE FOR THE TETTER OR RING WORM.

After I had the tetter for nearly twenty years on my hand, and had used dollars worth of celebrated tetter ointment, which took off the skin, repeatedly, without effecting a cure, a friend advised me to take some Blood Root, (called also, Red Root, Indian Paint, &c.) slice it in vinegar, and afterwards wash the place affected, with the liquid. I suppose the vinegar extracted the strength out of the root, for in a few days the dry scurf was removed, and my diseased hand appeared as whole as the other. I could scarcely believe that a perfect cure was so speedily accomplished by this simple remedy—but as nearly two years have passed without the least appearance of its return, I need no longer doubt the fact, and for the benefit of others, I wish the value of the Red Root to be more generally known.

“It grows about a foot high in rich woodland, and flowers in April. The leaf is roundish and deeply indented, somewhat like the white oak leaves—stems naked, supporting single flowers, blossoms white. When the fresh root, which is about the size of the little finger and blood red, is broken, a juice issues in large drops resembling blood.”

ASTHMA.

A lady has been entirely cured of a long asthmatic complaint, which resisted other remedies, by taking, from time to time, a spoonful of mustard-seed steeped in vinegar.

Preventative against the ravages of the Moth.

Tobacco leaves may be placed at certain intervals in the folds of a piece of woollen cloth: and it is sufficient to examine them every six months, so as to renew the leaves if necessary.

An officious friend showed the prince of Conde some libels written against him, in which he was described as acting and speaking things that were false: “These rascals,” said he, “make me talk and act as they would do if they were in my place.”

OF SOLOMON THRIFTY.

"Truth lies in the bottom of a well," says an old proverb: thereby signifying that many facts are so deeply concealed from sight as to require long and patient investigation to discover them. Such, for instance, are those which require the aid of mathematics; and by which we are enabled to ascertain the size, shape and revolutions of the Moon, the Earth, and other planets—their distances from the Sun—the exact points of time when Eclipses will happen, and many other facts equally surprising.

Most of the *practical truths* of life, however, require no logic or research—but being the result of every day's experience, they are plain to the most common understandings, and are almost as obvious to every mind as the light of day is to the eye. Yet, when we notice the conduct of some men, and see how little they are governed by known truths and uniform experience, we cannot but wonder at such inconsistency. The light shines before them; but they seem to avoid it, and choose rather to grope about in the dark.

It is a *truth*, says *Thrifty*, that the industrious man has better health and spirits, enjoys more of the comforts and pleasures of life, and sustains a better reputation than the idler: And yet, says he, how many idlers have we?

It is a *truth*, that a virtuous and honest course of life leads to wealth, credit and influence, and lays the foundation of a thousand blessings—while vice and knavery (the offspring of idleness) are always, sooner or later, detected and followed by ruin and disgrace: And yet, says he, how many knaves abound in every country?

It is a *truth*, that the very existence of every Republican government depends entirely upon the intelligence of the people. Yet, how many, calling themselves Republicans, cannot read or understand the Constitution under which they live?

It is a *truth*, that the proper Education of our Youth, is the most important of all public or private concerns—that the good order and social happiness of every community are greatly promoted by it—and that it is infinitely better to cultivate the minds of our offspring, and render them intelligent and moral, than to entail upon them wealth and ignorance. Yet, says *Thrifty*, how niggardly are Schools supported? What complaints about paying taxes for so laudable a purpose? And what culpable indifference towards a subject of such vital importance!!

Thrifty therefore advises every person to begin the *New Year* with a new and firm resolution to renounce every vice and pernicious habit—to walk in the delightful paths of truth, in-

dustry, knowledge and virtue, which he assures them will soon lead to honour, happiness and wealth.

Home, says he, ought to be the abode of peace, cheerfulness, and affection—the sanctuary of innocence and love—the retreat of all the social virtues. Where unity, kindness, and good will, reign among all the members of a family; and all, prompted by a common affection, strive to promote the happiness of each other—how lovely, and how endearing does it make home appear!

On the contrary, where strife and wrangling are suffered to disturb the harmony of the domestic circle; where heads of families set the example of anger, violence and outrage—where they take a pride in exhibiting towards each other their malice and ill will—where there is a constant habit of censuring, chiding and fault-finding, accompanied, as it generally is, with falsehood, profanity and the coarsest language—*home* (if it deserves the name) becomes a *Pandemonium*.

Therefore, since the greater part of our lives are spent at home, and so much of our peace and earthly happiness depends upon the social spirit which prevails there, how important is it, says *Thrifty*, that all the members of a family should unite in one common endeavour to render *home*, that little scene of all our joys and sorrows, as comfortable, as pleasant, and as happy as possible?

Nothing, says he, will contribute to this end more effectually than *kindness*. For the heart must be stubborn and perverse indeed, that will continue insensible to uniform kindness. While on the other hand, nothing tends more to alienate affection, to sour the disposition, and to destroy domestic harmony, than continual coldness, chiding and reviling. *Solomon* of old, very justly observes,—

“Better is a *dinner of herbs*, where *love* is, than a *stalled ox*, and *hatred* therewith.” And again,

“Better is a *dry morsel*, and quietness therewith, than a house full of sacrifices with strife.”

A receipt for the Colic in a Horse.

One table spoonful of ginger beat and sifted, two or three table spoonfuls of flour of mustard, a gill of gin, and a quart of warm ale, mix them together, and give them in a horn.—In an hour or two walk the horse out and repeat it the following day: care should be taken that the horse drinks but warmed water for two or three days after.

To destroy Ants.

Ants that frequent houses or gardens may be destroyed by taking flour of brimstone half a pound, and potash four ounces—set them in an iron or earthen pan over the fire till dissolved and united—afterwards beat them to a powder, and infuse a little of this powder in water—and wherever you sprinkle it the ants will die, or fly the place.

...s interest,
...r destroy his



The above figure represents the North Star, Alioth, and the Pointers, when Alioth is on the meridian below the pole. By turning the figure upside down, it will represent them when Alioth is on the meridian above the pole (or North Star) and by turning the figure one quarter round, so as the letter C on the right hand of the figure appears to be overhead, or place the figure so that the letters C and D become perpendicular, then it will represent them when Alioth and the Pole, or North Star, are on a level east and west line, Alioth appearing east of the Pole Star. By turning it the other way, so that D is overhead, it will represent them on a level east and west line, and Alioth will then appear west of the North Star. Any person, by viewing the above figure, and comparing it with the Stars themselves in the northern hemisphere, may become acquainted with and know the North Star, Alioth, and the Pointers.

N. B. The above Stars make a complete revolution round the Pole once in about twenty-four hours, and are called the Waggon, or Plough.

A Perpetual Weather Table.

BY DOCTOR HERSCHEL.

The following table constructed by the celebrated Doctor Herschel, upon a philosophical consideration of the attraction of the sun and moon, in their several positions as to the earth, and confirmed by the experience of many years actual observation, may, without doubt, suggest to the observer what kind of weather will probably follow the moon's entrance into any one of her quarters, and that so near the truth, that it will be very seldom found to fail.

		SUMMER.	WINTER.
If it be a new or full moon, or the moon enters into the first or last Quarter, at the hour of 12 at noon, or between the hours of 2 and		Very rainy.	Snow or Rain.
4 - - - -	- - - - -		Fair and Mild.
4 to 6 - -	- - - - -	Changeable	Fair.
6 to 8 - -	- - - - -	Fair if wind N. W.	Fair and Frosty.
		Rainy, if S. or S. W.	If N. or N. E.
			Rain or Snow.
8 to 10 - -	- - - - -		If S. or S. W.
10 to midnight	- - - - -	Ditto.	Ditto.
Midnight to 2	- - - - -	Fair.	Fair and Frosty.
			Hard Frost
			unless wind
			S. or W.
2 to 4 -	- - - - -	cold, with frequent showers.	Snow and stormy.
4 to 6 - -	- - - - -	Rain.	Ditto.
6 to 8 - -	- - - - -	Wind and Rain.	Stormy,
8 to 10 - -	- - - - -	Changeable.	cold rain if W.
			snow if E.
10 to 12 -	- - - - -	Frequent showers.	Cold high Wind.

From the above table it will be seen that the nearer to midnight either the moon's periodical changes (i. e. within two hours either before or after it) the more fair the weather is in summer; while the nearer to noon that the changes take place, the reverse may be expected. Fair weather may also follow when either of the periodical changes occur during the afternoon six hours, viz. from four to ten, but this is mostly dependent on the wind.—The moon's entrance during all the hours after midnight except the two first, is unfavourable to fair weather. The like may nearly be observed in winter. Every farmer ought to preserve a copy of this table, and carefully to regulate his pursuits by its indications. Such a line of conduct might materially promote his comforts and his interest, while in no case would it disturb his prospects, or destroy his hopes.

FEDERAL COURTS.

The Supreme Court holds one session annually, at the seat of general government, on the first Monday in February.

Circuit Courts. For New Hampshire, on the 19th of May and 2d of November, at Portsmouth and Exeter. Vermont, at Windsor and Rutland, alternately, the 1st of May and 3d of October. Massachusetts, at Boston, on the 1st of June and 20th of October. Rhode Island, on the 15th of June and of November, at Newport and Providence. Connecticut, on the 13th of April and 17th of September, at New Haven and Hartford. New York, at New York, on the 1st of April and September. New Jersey, at Trenton, on the first of April, and October. Pennsylvania, at Philadelphia, on the 11th of April, and 11th of October. Delaware, at New-Castle and Dover, on the 3d of June and 27th of October. Maryland, at Baltimore, on the 1st of May and 7th of November. Virginia, at Richmond, on the 22d of May, and November. North Carolina, at Raleigh, the 12th of May and November. South Carolina, at Charleston, on the 20th of May, and at Columbia on the 30th of November. Georgia, on the 6th of May and 14th of December, at Savannah and Louisville. District of Columbia, at the city of Washington, 1st Monday in June and 4th in December, and at Alexandria, 1st Monday in July and 4th in November.

When any of the above fixed days happen to be on Sunday, the court is opened on the Monday following. In those districts where two places are designated for holding the sessions of the Circuit Court, the first term in the year is always held at the place first named.

District Courts. Maine District, at Portland, 3d Tuesday in June and the 1st in December, and at Pownallborough, 1st in March and September. New Hampshire, at Portsmouth, 3d Tuesday in March and September, and at Exeter, 3d in June and December. Vermont, at Windsor and Rutland, 1st Monday in February and August, and 2d in May and November. Massachusetts, at Salem, 3d Tuesday in March and 2d in September, and at Boston, 4th Tuesday in June and 1st in December. Rhode Island, at Newport and Providence, 1st Monday in February and August, and 1st in May and November. Connecticut, at New Haven, 3d Tuesday in February and August, and at Hartford, 3d in May and November. New York, at New York, 1st Tuesday in February and May, August and November. New Jersey, at Burlington, 1st Tuesday in February and August, and at New Brunswick, 1st in May and November. Pennsylvania, at Philadelphia, 3d Monday in February, May, August and November. Delaware, at Dover, 4th Tuesday in February and August, and at New Castle, 4th in May and November. Maryland, at Easton, 1st Tuesday in March and September, and in Baltimore, 1st in June and December. Virginia, at Williamsburg, 3d Tuesday in March and September, and at Richmond, 3d in June and December. North Carolina, at Newbern, 1st Monday in February, May, August and November. South

Carolina, at Charleston, 3d Monday in March and September, 1st in July and 2d in December. Georgia, at Augusta, on 2d Tuesday in November, and at Savannah, 2d in February, May and August. Kentucky, at Frankfort, on 2d Monday in March, 3d in June and November. Tennessee, on the 1st Monday in April, July, October, and January.

The district judges have power to hold special courts in their respective Districts, at discretion, exclusive of the foregoing.

COURTS OF PENNSYLVANIA.

The Supreme Court, (as a Court in Bank) hold six terms for argument, &c. in the five districts of the state, and adjourned courts as they may deem necessary. The regular terms are:

For the Eastern District, composed of the city and county of Philadelphia, and the counties of Delaware, Chester, Montgomery, Bucks, Northampton, Lehigh and Pike, at Philadelphia, on the 2d Monday in March, to continue two weeks, and on the 2d Monday in December, to continue three weeks. The last Monday in July is the return day for July term, but no court is then held. For the Lancaster district, composed of the counties of Lancaster, York, Dauphin, Lebanon, Schuylkill and Berks, at Lancaster, on the 3d Monday in May. For the middle District, composed of the counties of Northumberland, Union, Columbia, Centre, Mifflin, M'Kean, Clearfield, Lycoming, Potter, Tioga, Bradford, Susquehanna, Wayne and Luzerne, at Sunbury, on the Wednesday following the second week of the term of the Lancaster District. For the Western District, composed of the counties of Alleghany, Westmoreland, Somerset, Fayette, Washington, Green, Beaver, Butler, Mercer, Crawford, Erie, Warren, Venango, Armstrong, Indiana, Jefferson and Cambria, at Pittsburg, on the 1st Monday in September to continue two weeks, if necessary. For the Southern District composed of the counties of Franklin, Adams, Cumberland, Huntingdon and Bedford, at Chambersburg, on the Monday week next following the end of the second week of the term of the Western District.

NOTE. It is only in the city and county of Philadelphia that the Supreme Court has original jurisdiction, and there only when the sum in controversy exceeds 500 dollars: all issues of fact are tried by jury, before a single judge, at *nisi prius*.

John B. Gibson, *Chief Justice*.

Molton C. Rogers,

Charles Huston,

John Tod,

Frederick Smith,

} *Associates.*

The District Court, for the city and county of Philadelphia has original jurisdiction of all cases where the sum in controversy exceeds 100 dollars. This court holds four terms annually, on the first Mondays in March, June, September and De-

ember. If business requires it they are bound to hold courts nine months in the year.

Joseph Barnes, Esq.	} <i>President.</i>
John Hallowell, Esq.	
Charles S. Coxe, Esq.	

Court of Quarter Sessions and Common Pleas, are held for the several counties as follows,---in the

1st District—in Philadelphia, the 1st Mondays in March and June, 3d in September, and 1st in December.

Pres't EDWARD KING, Esq.

2d District—In York, on the 1st Mondays of January, April, August, and November; in Lancaster, on the 2d Mondays after the commencement of the courts in York.

Pres't WALTER FRANKLIN, Esq.

3d District—In Berks on the 1st Mondays in January, April, August and November; in Northampton, on the 2d Mondays after the commencement of the courts in Berks; in Lehigh on the Mondays succeeding the second week of the courts of Northampton county.

Pres't ROBERT PORTER, Esq.

4th District—In Huntingdon, on the 2d Mondays of January, April, August and November; in Mifflin, on the 3d Mondays of the same months, and in Centre, on the fourth Mondays of the same months.

Pres't THOMAS BURNSIDE, Esq.

5th District—In Beaver, 2d Monday in January, April, August, and 1st Monday in November; in Butler, 2d Monday in November, and 3d Mondays in January, April, and August; in Alleghany 3d Mondays in November, and 4th Mondays in January, April, and August.

Pres't CHARLES SHALER, Esq.

6th District—In Venango, 1st Mondays in November, February, May and August; in Mercer, on the 3d Mondays of the same months; in Crawford, on the 4th Mondays of the same months; in Erie, on the Mondays next following the courts in Crawford county.

Pres't HENRY SHIPPEN, Esq.

7th District.—In Montgomery, on the 3d Monday in January, April, August, and November; in Bucks, on the 4th Monday in April, and 2d Monday in September, December and February.

Pres't JOHN ROSS, Esq.

8th District—In Columbia, on the 1st Mondays in January, April, August, and November; in Northumberland, on the 2d Mondays after the commencement of the courts in Columbia; in Lycoming, on the 2d Mondays after the commencement of the courts in Northumberland; and in Union, on the 3d Mondays after the commencement of the courts in Lycoming.

Pres't SETH CHAPMAN, Esq.

9th District—In Perry, on the 1st Mondays in January April August and November; in Cumberland, on the 2d Mondays and in Adams on the 4th Mondays of the same months.

Pres't JOHN REEP, Esq.

10th District—in Westmoreland, on the Mondays preceding the last Mondays of February, May, August and November; in Cambria, on 1st Mondays in March, June, September and December; in Indiana, on the 2d Mondays of the same months and in Armstrong, on the 3d Mondays of the same months.

Pres't JOHN YOUNG, Esq.

11th District—in Luzerne, on the 1st Mondays in January, April, August and November; in Pike, on the 3d Mondays of the same months; in Wayne, on the 4th Mondays of the same months.

Pres't DAVID SCOTT, Esq.

12th District—in Schuylkill, on the last Mondays in March, May, October and December; in Lebanon, on the 1st Mondays after the commencement of the courts in Schuylkill; and in Dauphin, on the 2d Mondays after the commencement of the courts in Lancaster. (See 2d District.)

Pres't S. D. FRANKS, Esq.

13th District—in Susquehannah, on the first Mondays after the courts in Wayne; in Bradford, on the first Mondays after the courts in Susquehannah; and in Tioga, on the first Mondays after the courts in Bradford.

Pres't EDWARD HERRICK, Esq.

14th District.—In Fayette, first Mondays in March, June, September, and December; in Greene, 3d Monday in March, May, September, and December; in Washington the Mondays following those of Greene.

Pres't THOMAS H. BAIRD, Esq.

15th District—in Delaware, on the 3d Monday in January, 2d in April, the 4th in July, and the 3d in October; in Chesapeake, on the 2d Mondays after the 3d Mondays in January, April, July and October. *Pres't ISAAC DARLINGTON, Esq.*

16th District.—In Franklin, 2d Monday in January, April, August and November; in Bedford, on the 4th Mondays of same months; in Somerset on the Mondays following those in the County of Bedford. *Pres't ALEX. THOMPSON, Esq.*

Courts of Oyer and Terminer and General Jail delivery, are held twice in each year for the City and County of Philadelphia, alternately by the Judges of the Common Pleas, and the Judges of the Supreme Court. In the other districts they are held by the Judges of the Common Pleas. Trials in civil causes in the Common Pleas of Philadelphia County are held at adjourned Courts, held at such times as the Judges may appoint.

The Orphans Court, of Philadelphia County is held the 3d day in each month.

NEW JERSEY.

Supreme Courts in New-Jersey are held at Trenton, the 2d day in May and November, the 1st Tuesday in September and the last Tuesday in February, annually. Circuit Courts, in the several counties are held on the following Tues-

days; at Bergen, the 4th in March and October—at Essex, the 2d in January and the 3d in September—at Middlesex, the 2d in June, and 3d in December—at Monmouth, the 4th in April, and 3d in October—at Somerset, the 3d in April, and 1st in October—at Burlington, the 3d in May, and 1st in November—at Gloucester the 3d in March, and 1st in October—at Salem, the 1st in March, and 3d in September—at Hunterdon, the 1st in May, and 4th in October—at Morris, the 3d in March, and 4th in September—at Cumberland, the 1st in June, and last in November—at Sussex, 4th in May, and 4th in November—and at Cape May, the last in May annually.

Superior Courts of Common Pleas, and of General Quarter Sessions of the Peace in the several counties are held on the Tuesday in

Circuit Courts are held on the Tuesday in

County of

County of	2 March,	2 June,	2 Sept.	2 Dec.	2 June,	2 Dec.
Middlesex,	2 March,	2 June,	2 Sept.	2 Dec.	2 June,	2 Dec.
Monmouth,	4 Jan.	4 April,	4 July,	3 Oct.	4 April,	3 Oct.
Essex,	2 Jan.	2 April,	4 June,	3 Sept.	4 April,	3 Sept.
Somerset,	1 Jan.	3 April,	3 June,	1 Oct.	3 April,	1 Oct.
Bergen,	4 Jan.	4 March,	2 June,	4 Oct.	4 March,	4 Oct.
Morris,	3 March,	1 July,	4 Sept.	3 Dec.	3 March,	4 Sept.
Burlington,	2 Feb.	4 May,	2 Aug.	1 Nov.	4 May,	1 Nov.
Gloucester,	3 March,	3 June,	1 Oct.	2 Dec.	3 March,	1 Oct.
Salem,	1 March,	2 June,	3 Sept.	1 Dec.	2 June,	1 Dec.
Cape-May,	1 Feb.	last May,	1 Aug.	4 Oct.	annually,	last May
Hunterdon,	1 Feb.	1 May,	1 Aug.	4 Oct.	1 May,	4 Oct.
Cumberland,	last Feb.	1 June,	4 Sept.	last Nov.	1 June,	last Nov.
Sussex,	3 Feb.	4 May,	3 Aug.	4 Nov.	4 May,	4 Nov.

An account of the time of holding the Yearly Meeting of Friends, on the Continent of America.

The Yearly Meeting of Rhode Island, for New England, is held at Newport, the 2d day following the second sixth day in the sixth month: meeting of ministers and elders at Portsmouth, on the seventh-day preceding, at nine o'clock in the morning.

The Yearly Meeting for the government of New York, is held at New York, on the second-day after the 4th first-day in the fifth month.

The Yearly Meeting for Pennsylvania, New Jersey, Delaware, and the Eastern parts of Maryland, is held at Philadelphia, the second second-day in the fourth month.

Baltimore Yearly Meeting, which takes in the Western shore of Maryland, part of Virginia and Pennsylvania, is held at Baltimore, the second-day following the second first day in the tenth month.

Ohio Yearly Meeting, which takes in the western parts of Pennsylvania and Indiana, is held at Mount Pleasant on the 2d day following the first First-day in the ninth month.

The Yearly Meeting for Virginia, is held alternately at Wain-oak and Gravelly-run, the third seventh-day in the fifth month at Wain-oak the present year, (1828.)

The Yearly Meeting for North and South Carolina, and Tennessee, is held at New Garden the second-day after the first first day in the eleventh month. The meeting of ministers and elders the preceding seventh-day.